

Fig. 1

10

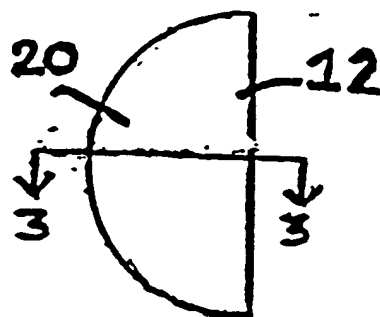


Fig. 2

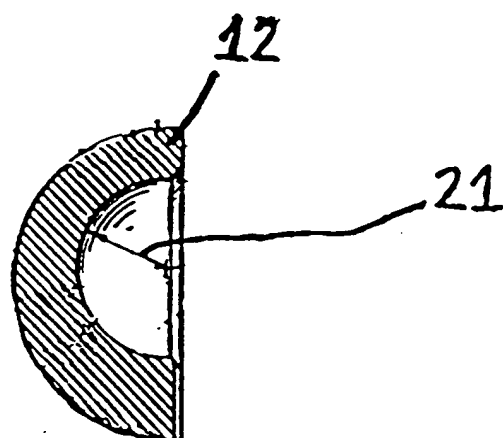


Fig. 3

FIG. 4

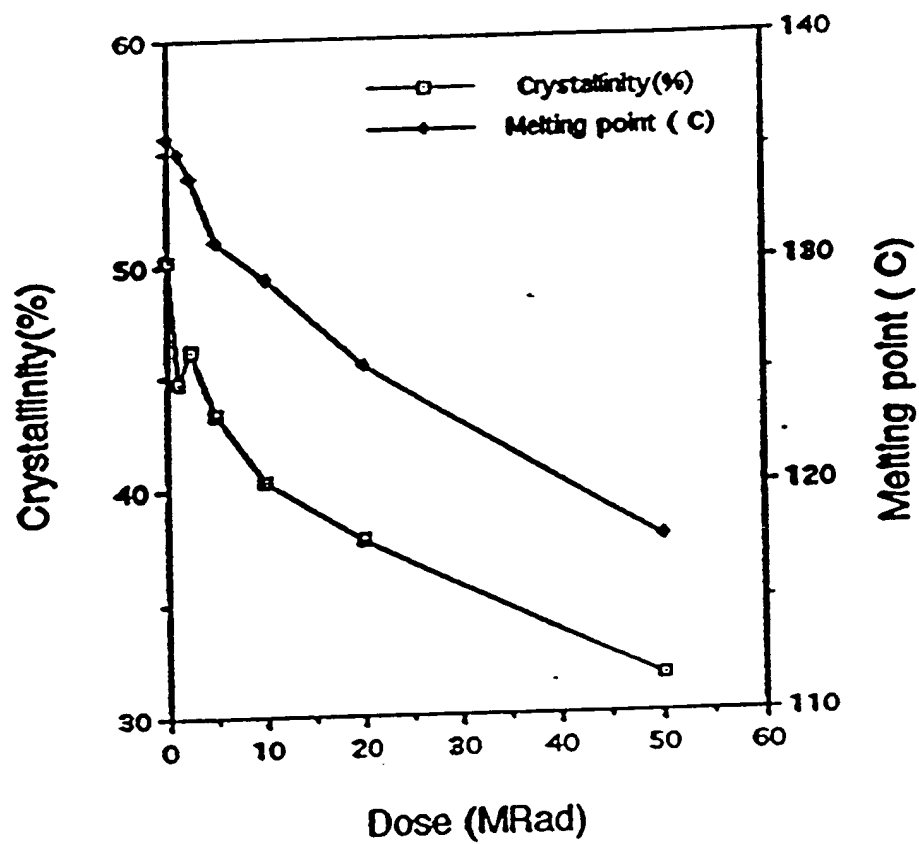


FIG. 5

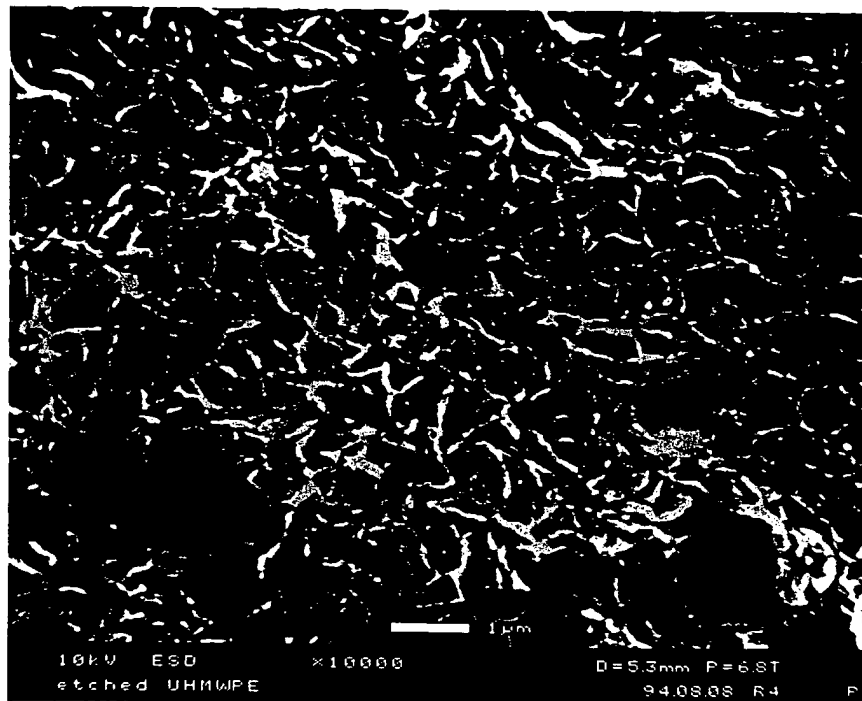


FIG. 6

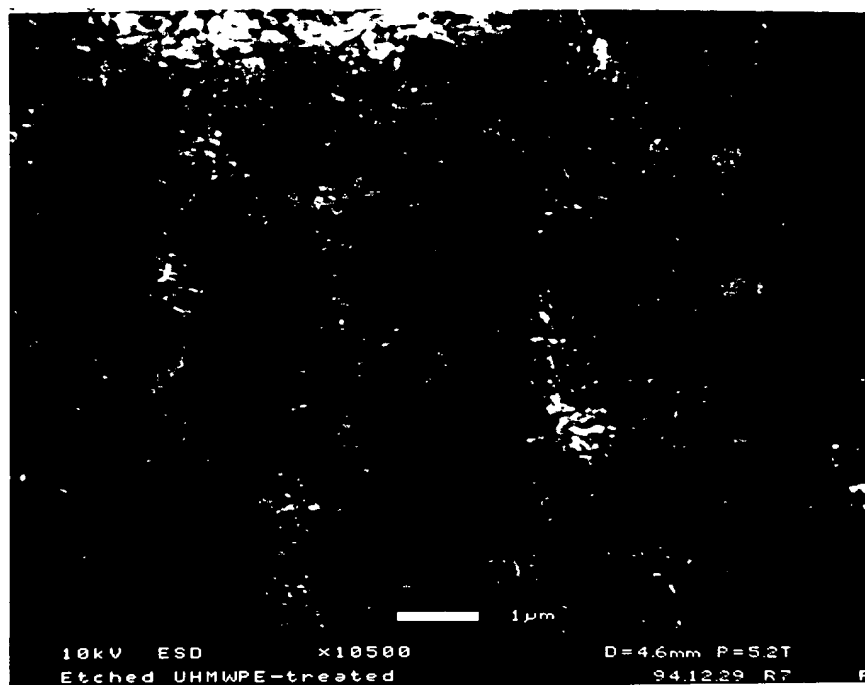


FIG. 7

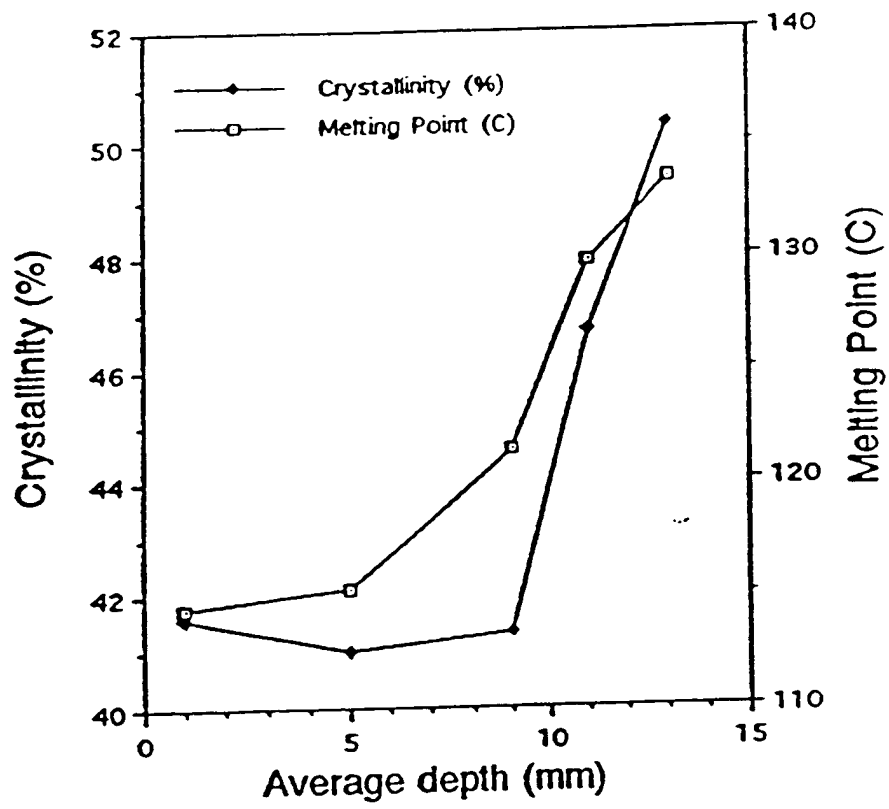


FIG. 8 4050 PreHeat=125°C 140kGy 70kGy/pass at 2cm below the e-beam incidence surface

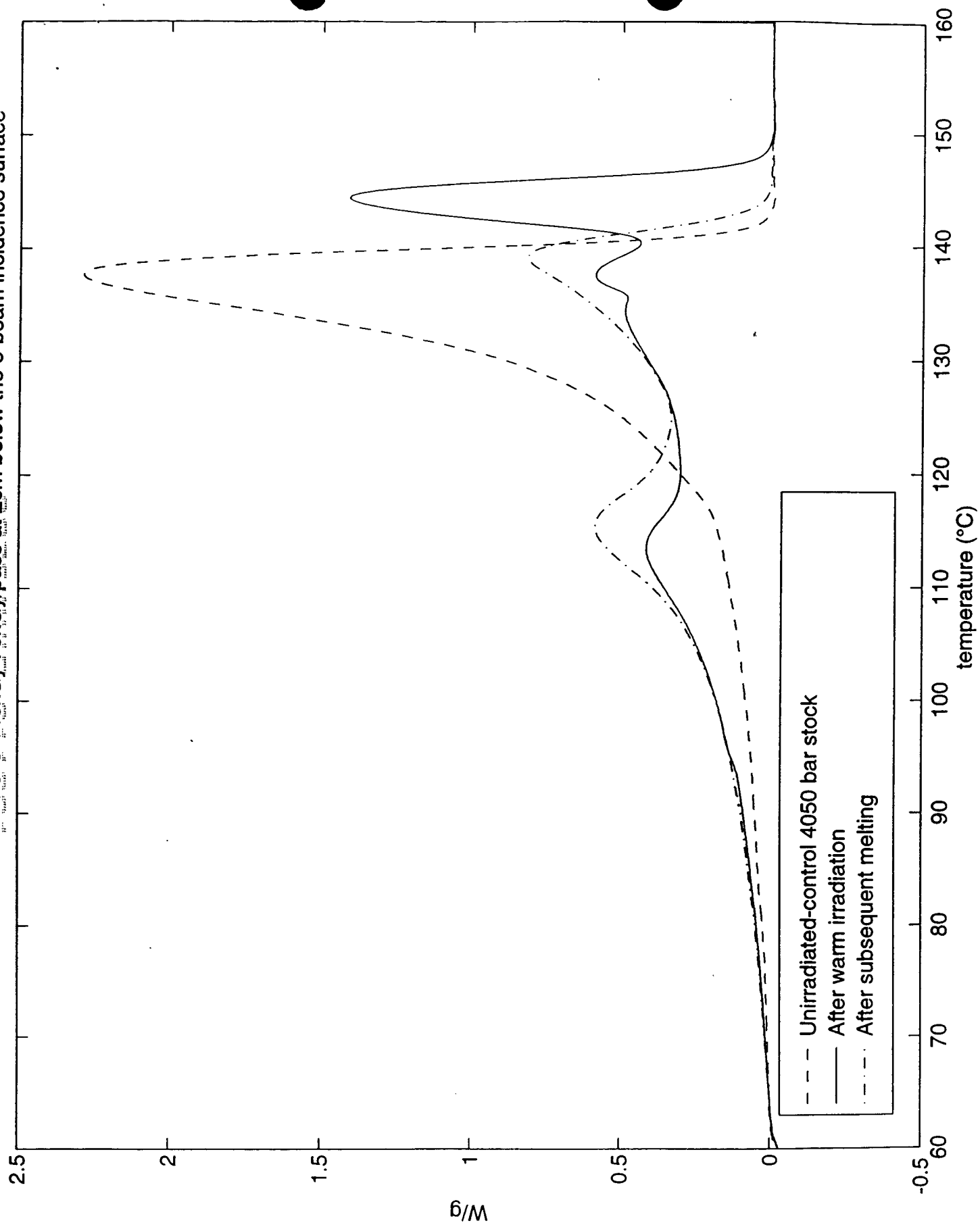


FIG. 9 1050 PreHeat=125°C 150kGy 75kGy/pass at 2cm below the e-beam incidence surface

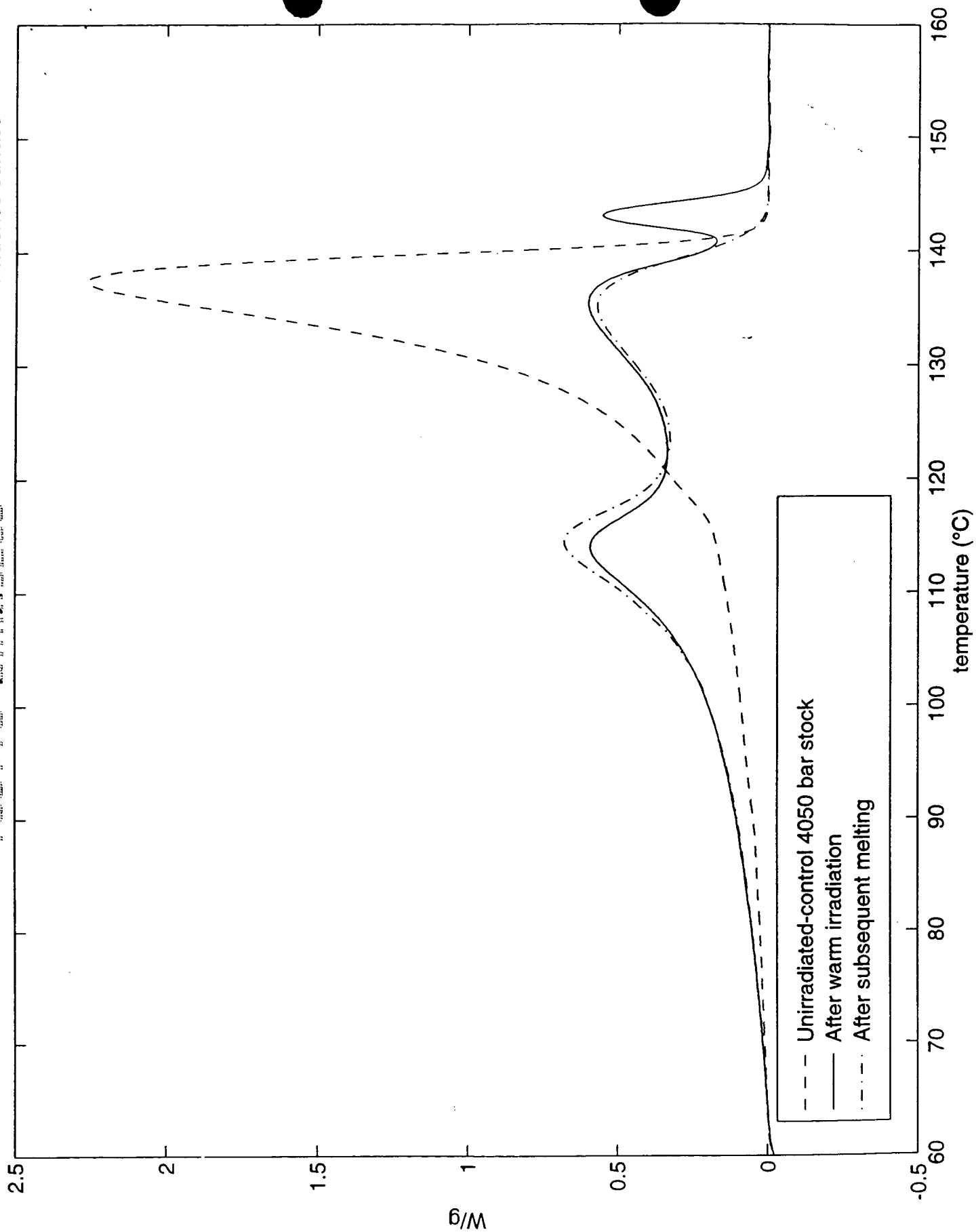


Figure 10: Adiabatic heating of UHMWPE treated by WIR-AM with a pre-heat temperature of 130°C

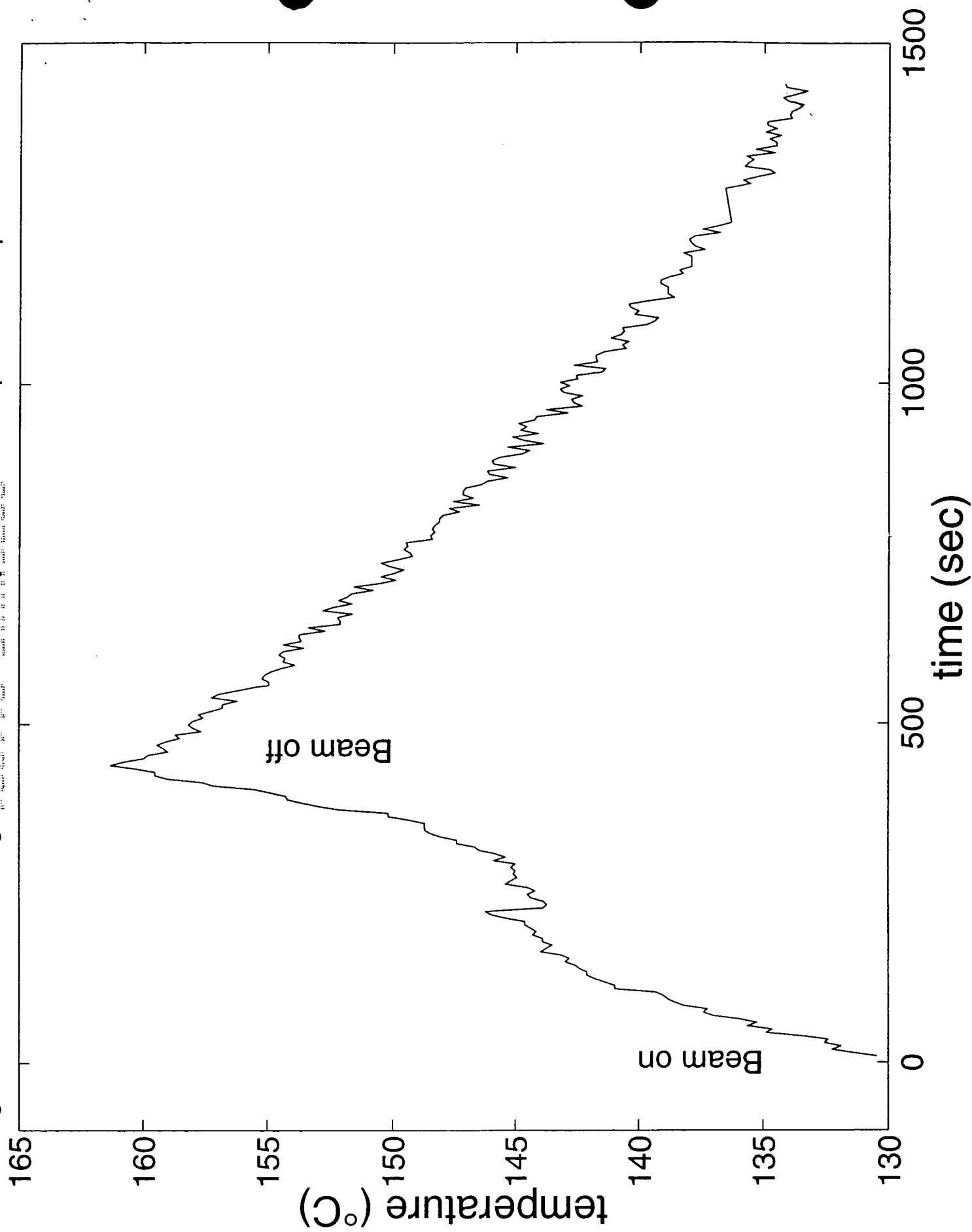


Figure 11. Tensile deformation behavior of unirradiated, CIR-SM treated and WIR-AM treated UHMWPE.

